Operating Instructions

AutoSplit 250

D1010421 - V002

English

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Manufacturer

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Please be sure to fill this in before starting. Then you can be sure that this document relates to your machine, so if you have any queries you will be given the correct information.

Machine number:.....

Serial number:.....

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1 Foreword

Thank you for buying our product.

This machine has been built in conformity with applicable European standards and regulations.

These operating instructions explain how to operate the machine safely and efficiently and how to maintain it.

Any person entrusted with the transport, installation, commissioning, operation or maintenance of the machine must have read and understood:

- the operating instructions
- the safety instructions
- the safety information given in the individual chapters.

To avoid operator error and ensure problem-free operation, the operating instructions must be available to the operating personnel at all times.

1.1 Copyright notice

All documents are protected by the law of copyright.

Documents including excerpts thereof may not be distributed or reproduced nor may their content be communicated without express permission.

1.2 Liability for defects

Read these operating instructions through carefully before putting the machine into operation.

We accept no liability for damage or disruptions caused by failure to observe the operating instructions.

Claims for liability must be reported as soon as the defect is identified.

Claims are null and void for example in the following cases:

- improper use
- faulty attachments and drives not supplied with the machine
- failure to use original spare parts and accessories
- conversions or modifications, where not agreed with us in writing

We are not liable for defects of wearing parts.

1.3 Reservations

Technical data, dimensions, illustrations of the machine and safety standards are subject to continual change and are therefore not in any circumstances binding in relation to the supplied machine.

We accept no liability for printing and typesetting errors.

1.4 Definitions

Operator

The operator is the party which operates the machine and uses it for its intended purpose or causes it to be operated by suitable, trained personnel.

Operating personnel

The operating personnel (operators) are those entrusted by the operator to operate the machine.

Technical personnel

Technical personnel are persons entrusted by the operator of the machine with special tasks such as installation, set-up, maintenance and troubleshooting.

Electrician

An electrician is a person who, by virtue of his specialist training, has knowledge of electrical systems, standards and regulations and is able to identify and prevent possible hazards.

Machine

The term machine replaces the commercial designation of the object to which these operating instructions relate (see cover sheet).

1.5 Operating instructions

This manual is a "translation of the original operating manual"

2 Safety information

2.1 Explanation of symbols

The following symbols and instructions in this manual provide warnings about possible personal injury or property damage or give useful information about working with the machine.

DANGER

Warning about danger zones

Instruction regarding safe working, where non-compliance entails the risk of serious or fatal injury.

Always observe these instructions and ensure that you work with particular caution and care.

DANGER

Warning of dangerous electrical voltage

Contact with live parts can result in immediate death.

Protective covers and enclosures marked with this sign may only be opened by qualified electricians after the electricity supply has been turned off.

DANGER

Crushing hazard

Risk of injury through upper limbs getting trapped.

NOTICE

Instruction

Symbol for proper use of the machine.

Non-observance can result in malfunctions by or damage to the machine.

Noise

Symbol for an area where noise levels can exceed 85 dB(A).

Non-observance can cause hearing problems or deafness.

Further information

Symbol for further information relating to a bought-in part.

Information

Action-related information.

2.2 General safety information

The machine may only be operated by persons who are familiar with the machine's operation and hazards and with the user manual.

- It is the operator's responsibility to provide appropriate staff training.

Persons under the influence of alcohol, drugs or pharmaceutical products that impair responsiveness must not operate or maintain the machine.

The machine may only be operated if it is in perfect working condition.

Only operate the machine if it is in a stable position.

Minimum age of operative: 18 years.

Only one person may operate the machine at a time.

Take regular breaks to ensure concentration.

Ensure that your workplace is adequately illuminated since poor lighting can significantly increase the risk of injury.

Never work without the protective guards in place.

Only carry out repair, setup, maintenance and cleaning work when the drive is switched off and the tool is stationary.

- If the machine has a PTO drive, the universal joint shaft must be removed from the tractor.
- If the machine is driven by an electric motor, set main switch to 0 and disconnect the power cable.

Never leave the machine running unattended.

Switch off the machine's drive unit before carrying out any adjustments.

Only use original - POSCH - spare parts.

Do not modify or tamper with the machine.

Work on electrical equipment must only be carried out by qualified electricians.

Never use damaged cables.

Machines with electric motors must not be used in the rain as this can lead to a malfunction of the switch or the motor.

2.3 Safety instructions for log splitter

Only use the machine outdoors.

Wear safety shoes and close-fitting clothes when working with this device.

Never split angle-cut wood.

Wear protective gloves.

Keep the work area free of chips and wood residues.

Shut the drive down before removing any jammed pieces of wood.

Max. log length 16 - 20 cm (10 - 15 cm for option S)

The working pressure of the hydraulic system must not exceed 150 bar.

2.4 Noise

The workplace-related, A-rated emission sound pressure level is 85 dB(A), measured at the operative's ear.

In the case of machines with a PTO drive, the noise level depends on the noise of the tractor.

Ear protection is therefore necessary.

The stated values are emissions values, and thus do not necessarily represent reliable values for the work area. Although there is a correlation between emission and pollutant levels, it is not possible to deduce reliably from that whether or not additional precautionary measures are necessary. Factors that influence the level of pollutants present in the work area include the individual nature of the work area, other sources of noise, e.g. the number of machines and other work operations being carried out in the vicinity. Equally, permissible values for a work area may vary between different countries. However, this information should enable the user to estimate the dangers and risks more accurately.

2.5 Remaining risks

Even if all safety precautions are observed and the machine is used in accordance with the instructions, some risks still remain:

- Touching of revolving parts or tools.
- Injury caused by flying logs or log pieces.
- Risk of burns if the engine is not properly ventilated.
- Hearing loss if ear protection is not worn when working.
- Human error (e.g. due to excessive physical exertion, mental strain, etc.)

With every machine, some risks still remain. Therefore you should always be very careful when working. It is up to the operating personnel to ensure that work is carried out safely.

2.6 Proper use

The machine - AutoSplit 250 - is designed exclusively for splitting logs with a diameter of 10 - 25 cm and a length of 16 - 20 cm (10 - 15 cm for option S).

Use only soft wood.

The edge length of the wood must not exceed 20x20 cm .

The machine may only be used to process firewood.

2.7 Incorrect use

Any incorrect use or use other than that specified under "Proper use" is expressly forbidden.

3 General

3.1 Scope

This user manual applies to the following machines:

Machine type

Article no. *	Designation - Type	Drive
M6800	AutoSplit 250 - E9	Electric motor
M6805	AutoSplit 250 - E7.5	Electric motor
M6810	AutoSplit 250 - PZG	PTO
M6815	AutoSplit 250 - PZGE9	PTO/Electric motor
M6820	AutoSplit 250 - PZGE7.5	PTO/Electric motor
M6835	AutoSplit 250 - E3D	Electric motor

*....The article number is stamped on the machine's rating plate.

Models

Special equipment

.....S	Short log model

Additional equipment

F0002840	Screw-on kit for conversion from long to short logs 12 – 15 cm
F0002828	Movable 2-billet frame (for loose packing)
F0002827	Packing chute (for layered packing)
F0002179	Hour counter for machines with electric motor
F0001806	Hour counter for machines with PTO drive

3.2 Description

The AutoSplit 250 is a wood processing machine which can be used to produce (soft) kindling wood from round or square timber.

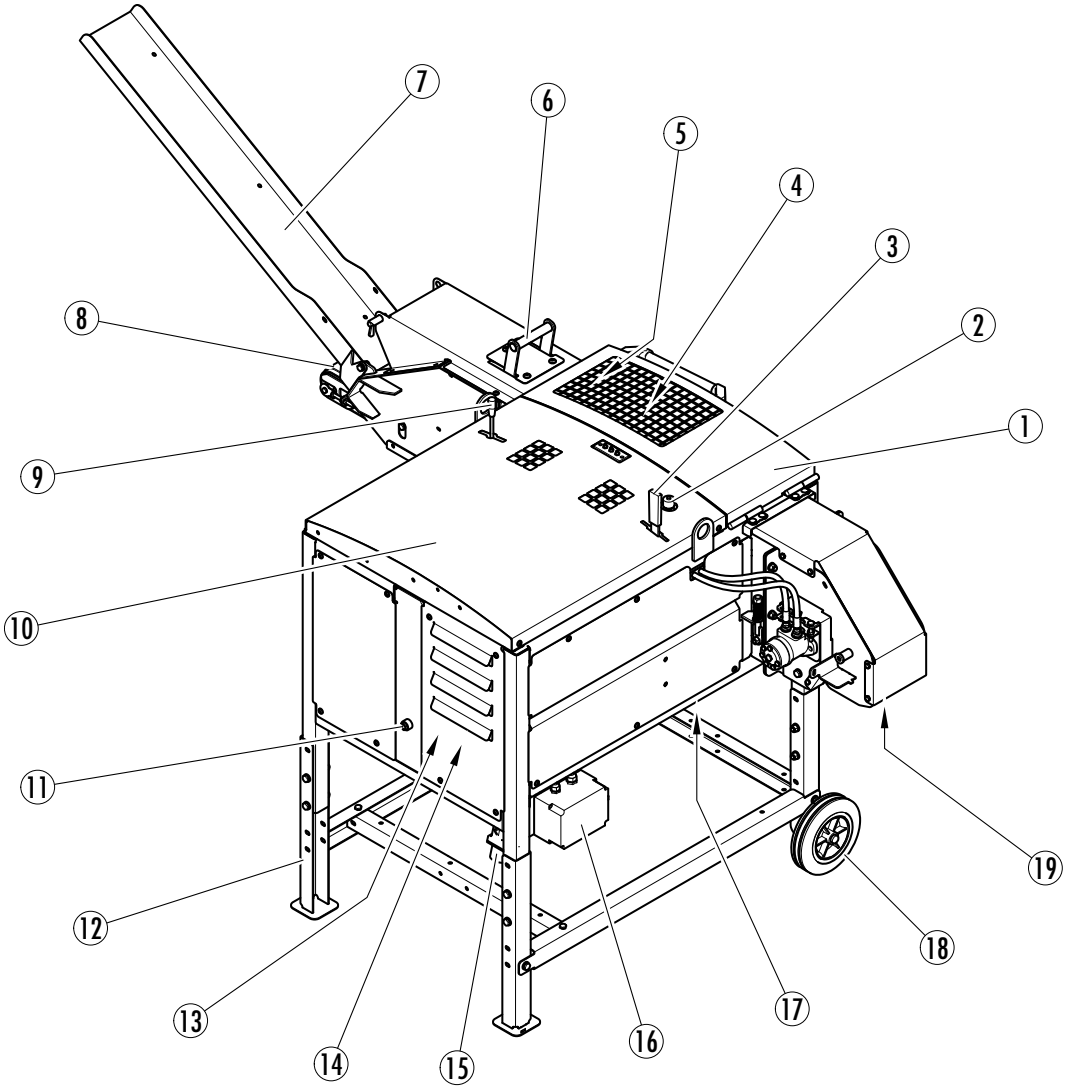
The wood is led via the feed belt of the feeding device to the splitting tool and split.

The size of the kindling wood can be set with the continuously variable feeder.

The finished kindling is conveyed to the outlet and and ejected.

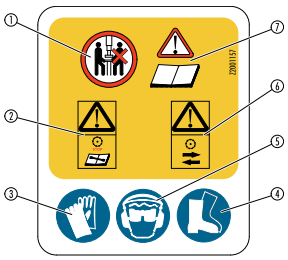
The splitter is driven hydraulically; the hydraulic system is driven either by an electric motor or by a PTO shaft.

3.3 The most important components of the machine



1	Protective flap	11	Oil sight glass
2	Feed controller	12	Frame
3	Main control lever	13	Oil filter
4	Splitting blade	14	Electric motor
5	Hold-down	15	Plug
6	Hold-down handle	16	Switch
7	Feed chute	17	Oil drain screw
8	Feed belt	18	Wheel
9	2. Control lever	19	Outlet
10	Cover		

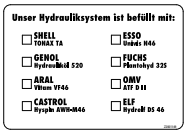
3.4 Stickers and their meaning



1 Only one person may operate the machine at a time
2 Only carry out repair, set-up, maintenance and cleaning work when the drive is switched off and the tool is stationary.
3 Wear protective gloves
4 Wear safety shoes
5 Wear goggles and ear defenders
6 Caution, moving tools
7 Always read the user manual before operating the machine

Do not reach inside.

Lift here

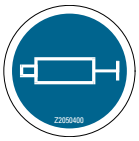


Our hydraulic system is filled with:

Oil level

PTO speed

Phase inverter



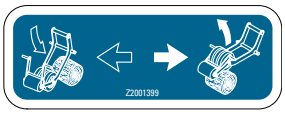
Lubrication point

Stickers on controls

Stop

Wood size (coarse/fine)

Main control



Operation - hold-down device

3.5 Set-up

Ensure the machine is stable before starting it.

Set up the machine on a level, firm and clear work surface.

The machine must be placed directly on the ground. Do not place wooden boards, flat pieces of metal etc. underneath it.

3.5.1 Folding down the feed chute

See: Feed chute [➙ 18]

3.5.2 Folding down the step

See: Step [➙ 19]

4 Start-up

Before starting to operate the machine, please check that the protective and safety systems are working and also the hydraulic hoses and oil level.

Before each start-up, the condition of the electrical cables must be checked.

If a fault occurs during operation, the machine must be shut down immediately.

4.1 Driven by electric motor (type E)

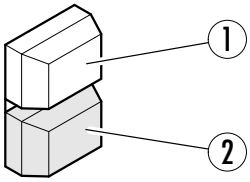
4.1.1 Machines with 230 V motor

The machine must only be operated on electric circuits equipped with 30 mA FI fault current protection or a Portable Residual Current Device (PRCD).

Work on electrical equipment must only be carried out by qualified electricians.

Type E3

- Connect the machine to the mains:
  - Mains voltage 230 V (50 Hz)
  - Fuse 16 A
  - For the feed, a cable cross-section of at least 2.5 mm² must be used.
- Press the green ON button.



1	Green press button (ON)	2	Red press button (OFF)

4.1.2 Machines with 400 V motor

The machine must only be operated on electric circuits equipped with 30 mA FI fault current protection or a Portable Residual Current Device (PRCD).

Work on electrical equipment must only be carried out by qualified electricians.

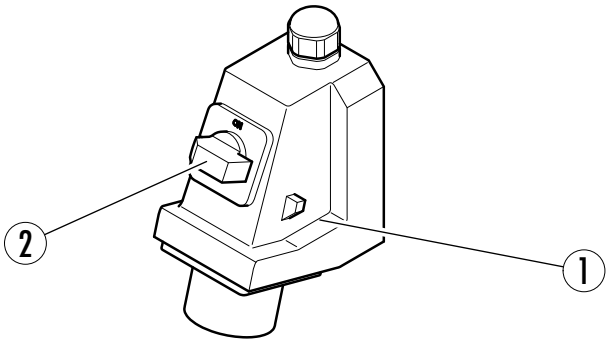
Type E7.5

Connect the machine to the mains:

- Mains voltage 400 V (50 Hz)
- Circuit-breaker 16 A (tripping characteristic C)
- For the feed, a cable cross-section of at least 2.5 mm² must be used.

☞ This cable cross-section is only a minimum specification. In the event of a lengthy supply cable, its size must be determined by an electrician.

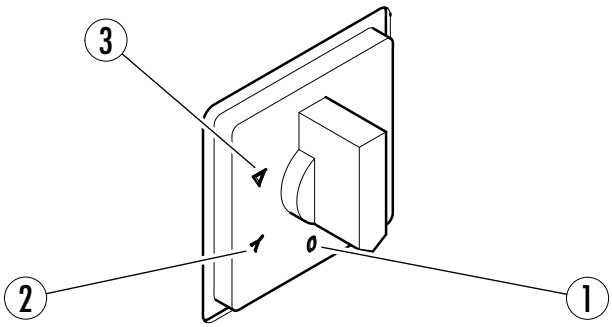
- Switch on the master switch (on the plug).



1	Plug	2	Master switch

Switch on the electric motor switch:

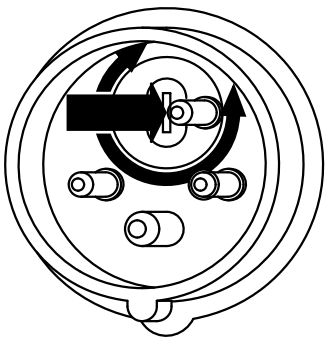
- First, turn the switch to the Y position and wait for the motor to run up. Then turn the switch to the delta position.



1	Neutral position	3	Delta position
2	Star position		

If the electric motor will not start (red light for rotational direction detection is on):

A phase inverter in the plug controls the direction of rotation of the motor (press in the disc in the plug with a screwdriver and turn 180˚).



A tight plug connection can rip the CEE plug out of the switch housing.

- This can be remedied using standard plugs and a silicone spray.

☞ Any such damage to the switch is not covered by the guarantee.

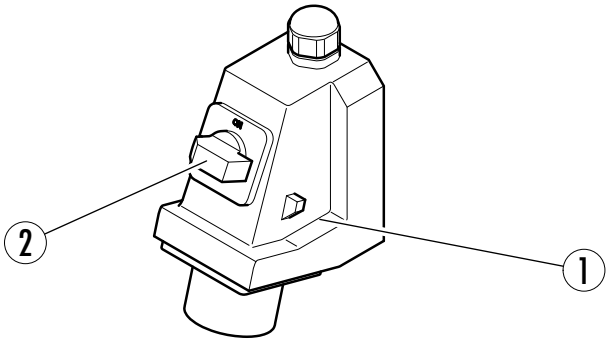
Type E9

Connect the machine to the mains:

- Mains voltage 400 V (50 Hz)
- Circuit-breaker 32 A (tripping characteristic C)
- For the feed, a cable cross-section of at least 6 mm² must be used.

☞ This cable cross-section is only a minimum specification. In the event of a lengthy supply cable, its size must be determined by an electrician.

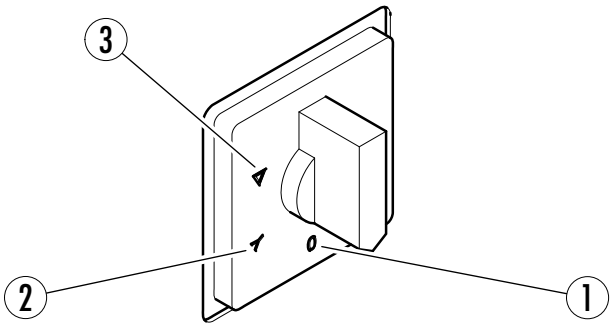
- Switch on the master switch (on the plug).



1	Plug	2	Master switch

Switch on the electric motor switch:

- First, turn the switch to the Y position and wait for the motor to run up. Then turn the switch to the delta position.



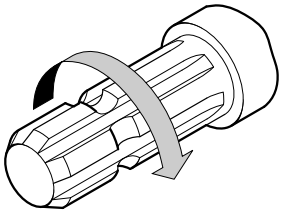
1	Neutral position	3	Delta position
2	Star position		

If the electric motor will not start (red light for rotational direction detection is on):

Procedure as for type 1.

4.2 Driven by tractor via universal joint shaft (type PZG)

- Assemble the machine on the three-point linkage of the tractor.
- Attach the universal joint shaft and secure with the safety chain.



- Clockwise rotation of the tractor PTO shaft.
- Turn the tractor's manual throttle to minimum.
- Slowly engage the tractor PTO shaft and allow the machine to start moving.
- Set the required PTO shaft speed using the manual throttle.

Maximum PTO shaft speed:

- 380 rpm

The maximum PTO shaft speed must on no account be exceeded, otherwise the oil will become too hot. This leads to premature wear and leaks in the pump, cylinder and hydraulic pipes.

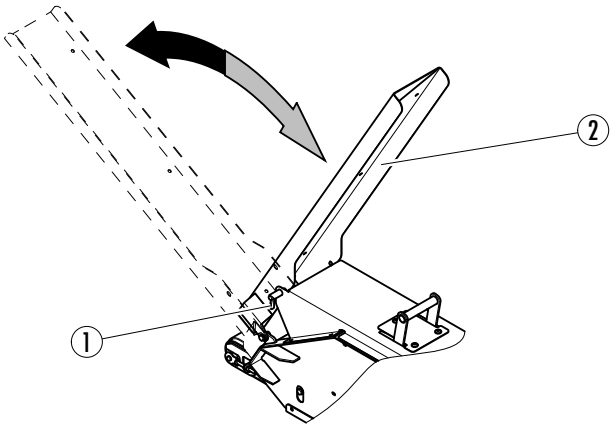
Before disengaging the universal joint shaft, set the manual throttle of the tractor to minimum.

The universal joint shaft must be stored in the universal joint shaft linkage when it is disconnected.

5 Operation

☞ At outdoor temperatures below 0°C, let the machine idle for approximately five minutes to allow the hydraulic system to reach the correct operating temperature (the hydraulic pipes will then be warm to the touch).

5.1 Feed tray



1	Snap-in lock	2	Feed tray

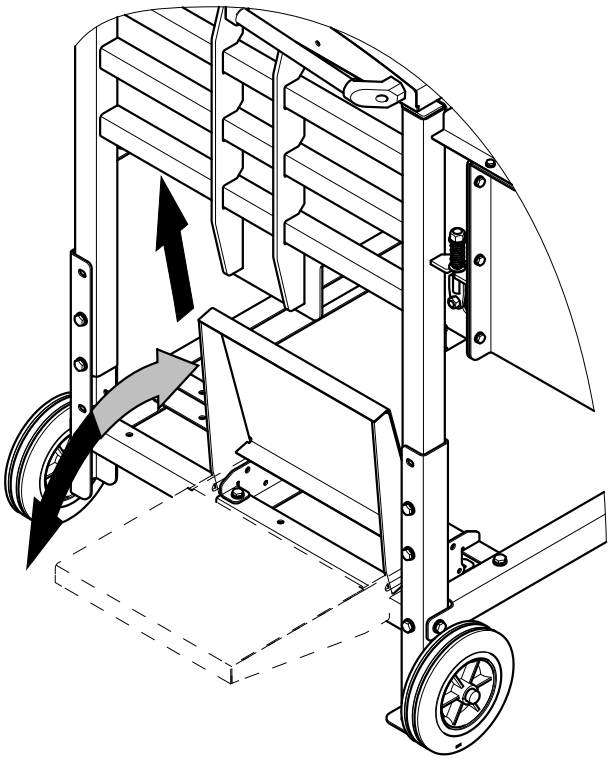
Working position:

Open the snap-in lock and swing the feed tray all the way down.

Transport position:

Open the snap-in lock, swing the feed tray upwards and secure it with the snap-in lock.

5.2 Step



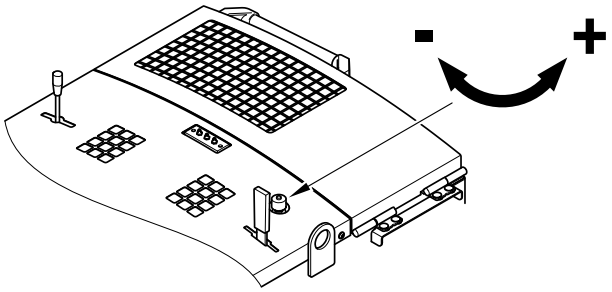
Working position:
Raise the step and swing it down.

Transport position:
Swing the step up and let it slide down.

5.3 Main controls

5.4 Setting the billet size

It is possible to adjust the feed rate and the billet size:



Faster feed (large billet): Turn the throttle anti-clockwise.
Slower feed (small billet): Turn the throttle clockwise.
☞ The minimum billet size should be larger than 10 mm.

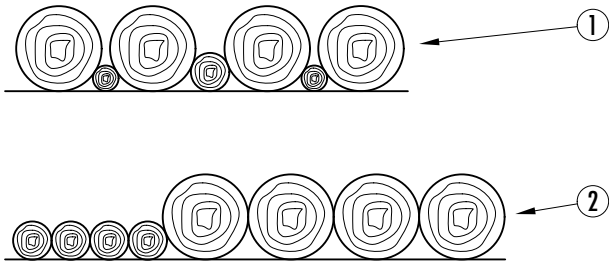
5.5 Splitting

Only one person may operate the machine at a time.

Ensure that no other people are in the vicinity of the machine.

- Start the machine.
- See: Start-up [→ 14]
- Fill the feed tray completely.

☞ Make sure the wood is arranged so as to guarantee an optimum feed.



1	Unfavourable arrangement	2	Favourable arrangement

- Switch the main control to automatic mode.
- Set the desired billet size with the feed controller.

☞ Start with a larger billet size until the whole splitting blade is engaged, then switch to smaller pieces.

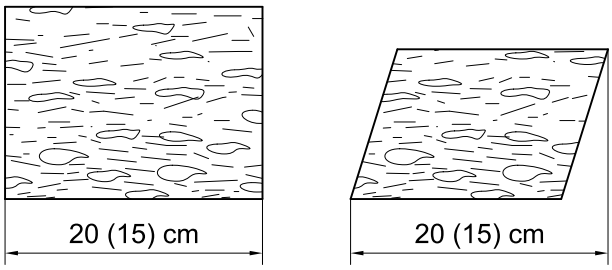
- Remove the cut kindling wood from the extractor chute.

5.5.1 Notes on splitting

Use only soft wood with few knots.

The machine works better with green wood than with seasoned wood.

The cut length of the wood must not exceed the stated dimensions.



With bent logs we recommend reducing the cut length to 19 (14) cm.

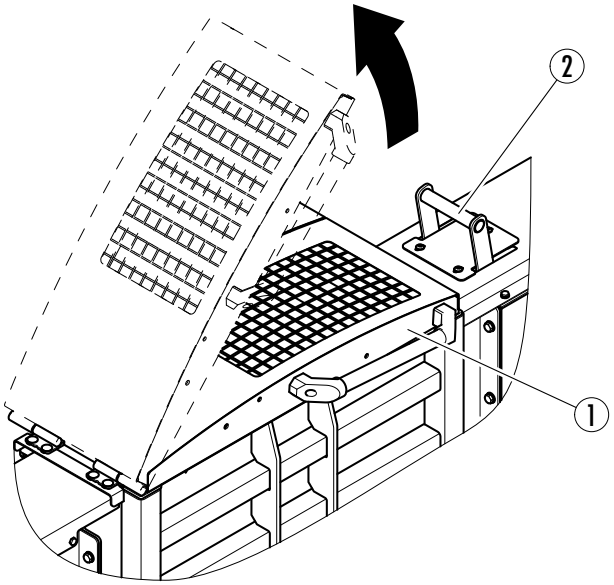
The log diameter must not exceed 10 - 25 cm.

The edge length of the wood must not exceed 20x20 cm .

Logs must always be split lengthways.

Always insert lengths of timber so that the wider end is pressed against the splitting blade first.

5.5.1.1 Faulty operation when splitting



1	Protective cover	2	Hold-down handle

When you open the protective cover the splitting blade goes to the home position and the feed belt is stopped.

After opening, move the automatic mode control lever to the **0** position.

☞ The wood can then be straightened or removed.

If feeding is difficult, you can lift or press the hold-down with the handle.

6 Switching off the machine

☞ Before switching off the machine, depressurise all hydraulic functions by placing all control levers in the neutral position.

Driven by electric motor (Type E)

- Move the switch to the **0 position**.
- Switch off the master switch (on the plug).

230V:

- Press the red pushbutton.

Driven by tractor via universal joint shaft (type PZG)

Disengage the universal joint shaft on the tractor.

- Before disengaging, turn the manual throttle to minimum.

7 Transport

It is vital that the drive is stopped before transport.

Disconnect the machine from the mains.

- In addition, pull out the plug of the device.

Disengage the universal joint shaft on the tractor.

- Before disengaging, turn the manual throttle to minimum.

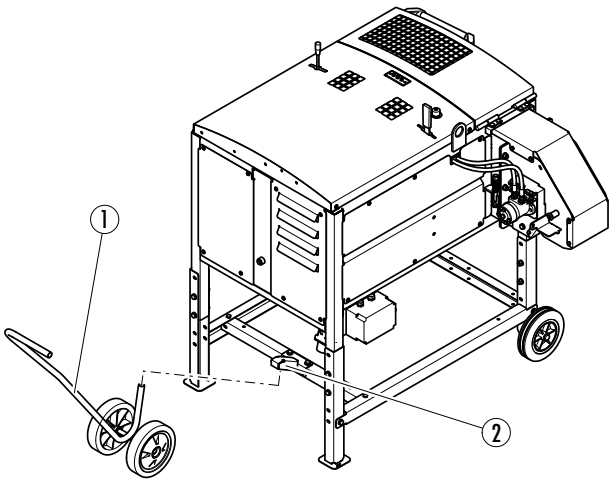
Fold the step up

- See: Step [➙ 19]

Swing the feed tray up

- See: Feed tray [➙ 18]

7.1 Moving by hand



1	Trolley	2	Transport bracket

- Lift the machine with the trolley and move it.

7.2 Transporting by three-point linkage on the tractor

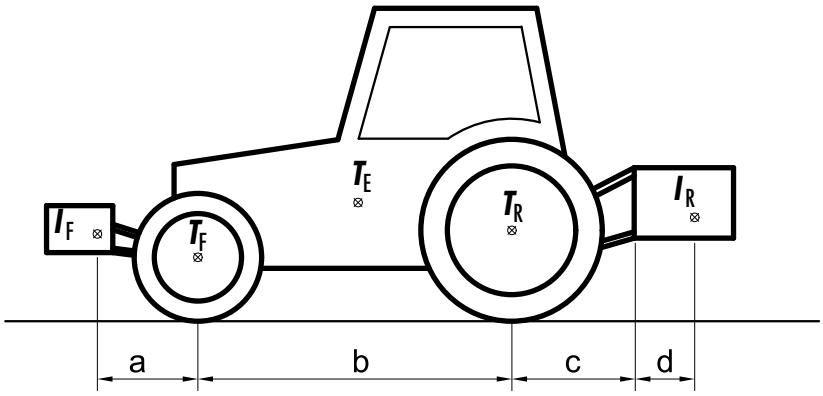
- Attach the machine to the three-point linkage and use the tractor hydraulics to raise it.

If the tractor's rear lights are obscured, a light must be fitted to the rear of the machine (e.g. magnetic holder, clip-on light, etc.)

Due to the weight of the machine, the tractor-machine combination can become unstable.

In order to test the overall stability, the following formula can be used to calculate the minimum weight on the front side $I_{F,min}$ with a minimum front axle load of 20% of the empty weight of the tractor:

$$I_{F,min} = \frac{(I_R \times (c + d)) - (T_F \times b) + (0{,}2 \times T_E \times b)}{a + b}$$



T_E	(kg)	Empty weight of the tractor	*
T_F	(kg)	Front axle load of the empty tractor	*
T_R	(kg)	Rear axle load of the empty tractor	*
I_R	(kg)	Total weight of the machine	**
I_F	(kg)	Total weight of the front load	
a	(m)	Distance between front load's centre of gravity and centre of the front axle	***
b	(m)	Wheelbase of the tractor	***
c	(m)	Distance between centre of the rear axle and centre of the lower link balls	***
d	(m)	Distance between centre of the lower link balls and the machine's centre of gravity	***

*….. see tractor operating instructions

**….. see "Technical Data" (It is vital to ensure that the weight of any additional equipment on the machine is taken into account)

***….. take measurement

Observe the road traffic regulations when driving on public highways.

Maximum transport speed: 25 km/h

☞ When the machine is uncoupled from the tractor, it must be placed on a firm, level surface.

8 Checks

Before carrying out any checks on the machine, the drive unit MUST be switched off!

Disconnect the machine from the mains.

- In addition, pull out the plug of the device.

Disengage the universal joint shaft on the tractor.

- Before disengaging, turn the manual throttle to minimum.
- Remove the universal joint shaft from the tractor.

8.1 Protective guards

All the protective guards (covers, safety grilles, etc.) must be in place on the machine at all times!

8.2 Screw fittings

Tighten all screws and nuts after the first hour of operation.

Tighten the screws and nuts after every 100 hours of operation.

- Replace missing screws and nuts.

8.3 Electrical cables

Before each start-up, the condition of the electrical cables must be checked.

- Damaged cables must be replaced immediately.

Work on electrical equipment must only be carried out by qualified electricians.

8.4 Hydraulic lines

After the first hour of operation, check that all hydraulic connections are secure and are not leaking.

Check that all hydraulic connections are secure and are not leaking after every further 100 hours of operation.

- Damaged hydraulic lines must be replaced immediately.

8.5 Electrical cables

Before each start-up, the condition of the electrical cables must be checked.

- Damaged cables must be replaced immediately.

Work on electrical equipment must only be carried out by qualified electricians.

8.6 Oil level

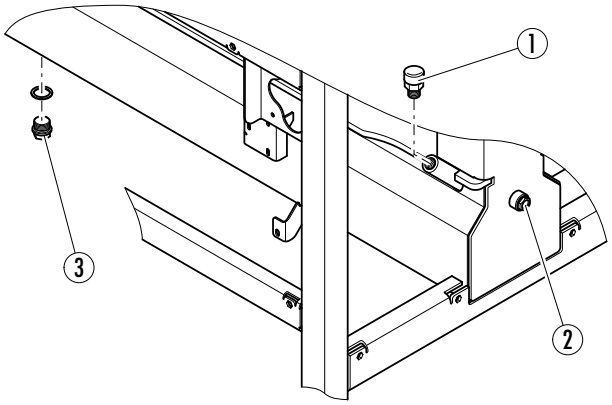
To check the oil level place the machine on an even surface.

☞ Check the oil level with the splitting blade retracted.

8.6.1 Hydraulic oil level

When the oil sight glass is filled above halfway, the oil level is at its maximum.

When the oil level is towards the bottom of the oil sight glass, the oil level its at its minimum.



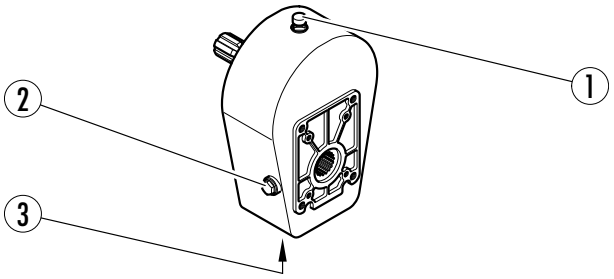
1	Ventilation screw	3	Oil drain screw
2	Oil sight glass		

If this is the case, the hydraulic oil must be topped up immediately.

- See: Changing the hydraulic oil [➞ 28]

☞ The oil filter only needs to be checked when the oil is changed.

8.6.2 Transmission oil level



1	Oil inlet screw	3	Oil drain screw
2	Oil level screw		

If the oil seeps out of the hole of the oil level screw when the machine is on level ground, the maximum oil level has been reached.

If the oil level is below the hole, this is the minimum oil level.

If this is the case, the transmission oil must be topped up immediately.

- See: Changing the transmission oil [➞ 30]

9 Maintenance

Before carrying out any maintenance on the machine, the drive unit MUST be switched off!

Disconnect the machine from the mains.

- In addition, pull out the plug of the device.

Disengage the universal joint shaft on the tractor.

- Before disengaging, turn the manual throttle to minimum.
- Remove the universal joint shaft from the tractor.

Work on electrical equipment must only be carried out by qualified electricians.

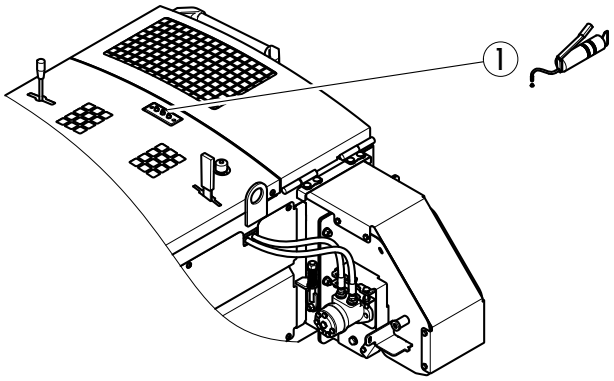
Never work without the protective guards in place.

Only use original - POSCH - spare parts.

9.1 Lubrication

Dispose of oily and greasy parts and oil residues in accordance with legal regulations.

9.1.1 Lubrication schedule



Lubrication intervals	Item	What/where
Daily (where used)	1	At central lubricating header (splitting blade guide)

For optimum lubrication, the machine may be started briefly (in automatic mode) but only if all protective equipment is in place.

☞ The lubrication points are marked with the lubricate symbol.

Recommended lubricating greases:

Manufacturer	Type
Genol	Multi-purpose grease
Fuchs	Multi-purpose grease 5028

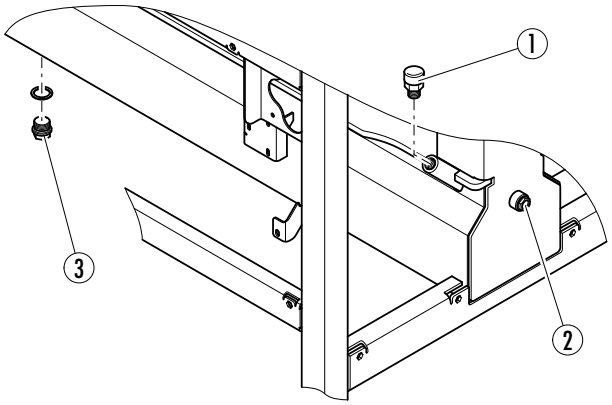
9.2 Oil changing

Old oil must be disposed of in an environment-friendly manner. Find out about the environmental regulations in your country.

9.2.1 Changing the hydraulic oil

The first oil change should be carried out after 500 operating hours, further oil changes should then be carried out after every 1000 operating hours or annually.

Changing procedure:



1	Ventilation screw	3	Oil drain screw
2	Oil sight glass		

- Retract the splitting blade before changing the oil.
- Remove the ventilation screw.
- Open the oil drain screw.

☞ The oil drain screw is located on the base of the oil tank.

- Drain the old hydraulic oil into a container.
- Screw the oil drain screw back into the tank and fill with new hydraulic oil through the ventilation screw opening.
- Screw the ventilation screw into the tank.
- Turn on the machine and allow it to run for a short while.
- Check the oil level and top up hydraulic oil if necessary.

Total filling capacity of the hydraulic system:

Quantity
40 litre

Our hydraulic system is filled with high-quality OMV ATF II transmission fluid.

- This oil has an extremely high viscosity index, exhibits excellent foaming and aging characteristics and excellent flow properties at low temperatures and protects reliably against wear and corrosion.
- Viscosity class ISO VG 46.

High-quality oil is highly recommended when changing the oil.

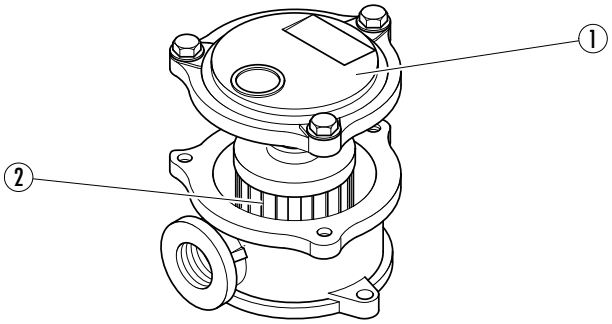
A mixture of products of the same quality poses no problem.

9.2.1.1 Recommended hydraulic oils

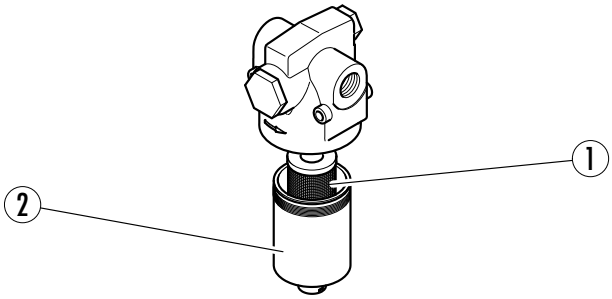
Manufacturer	Oil specification
OMV	ATF II
SHELL	Donax TA
ELF	Hydrelf DS 46
ESSO	Univis N46
CASTROL	Hyspin AWH-M 46
ARAL	Vitam VF46
GENOL	Hydraulic oil 520
FUCHS	Plantohyd 32S * / Renolin B46 HVI

*.....biological hydraulic oils

9.2.2 Oil filter



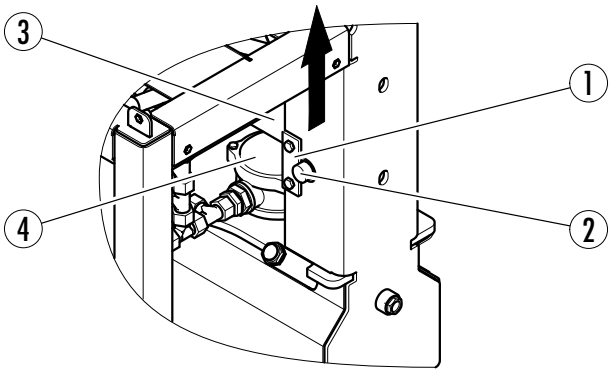
1	Filter cover	2	Filter insert



1	Filter insert	2	Filter container

The filter insert should be changed every time the oil is changed.
Any aluminium particles can be disregarded, as these occur when the pump is running in.
Do not wash out the filter insert with petrol or paraffin products, as these damage it.

9.2.2.1 Changing filter insert

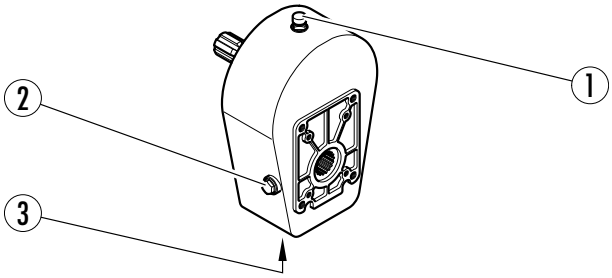


1	Axle bracket	3	Cylinder
2	Cylinder pin	4	Oil filter

1. Remove the screws from the axle bracket.
2. Pull out the cylinder pin while raising the cylinder slightly.
3. Raise the cylinder until the filter insert can be removed (placing a supporting material under the cylinder).
4. After changing the insert, reassemble everything as it was.

9.2.3 Changing the transmission oil

The first oil change should be carried out after 100 operating hours, further oil changes should then be carried out every 500 operating hours or yearly.



1	Oil inlet screw	3	Oil drain screw
2	Oil level screw		

- Unscrew the oil inlet and oil drain screw.
- Let the old oil drain out, then replace the oil drain screw.
- Add the new transmission oil.
- Check the oil level and top up transmission oil if necessary.
- Replace the oil filling screw.

Total filling capacity
0.7 litres

9.2.3.1 Recommended transmission oils

Manufacturer	Oil specification
OMV	Gear Oil MP SAE 85W-90
GENOL	Gear oil MP 90
FUCHS	Titan Gear Hypoid SAE 90

☞ Any other transmission oil can be used, so long as it is in viscosity class SAE 90.

9.3 Feed belt

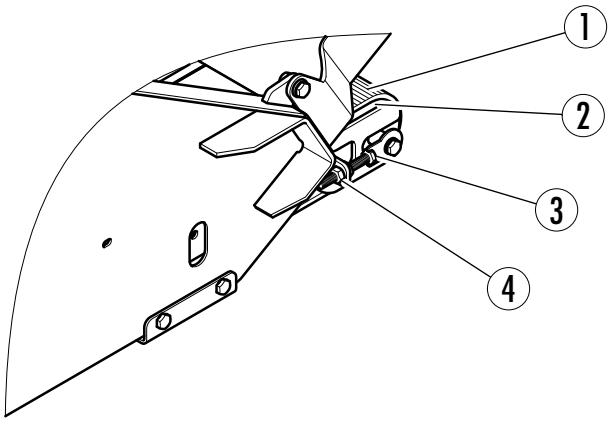
9.3.1 Notes regarding the conveyor belt

Check that the belt runs centrally. It must not run off centre.

- If this happens, centre the belt by adjusting the drive pulley or return drum.

☞ From time to time remove the material that drops down underneath the conveyor belt, otherwise the belt may be damaged.

9.3.2 Conveyor belt - ensuring the machine is running centrally



1	Belt	3	Tensioning screw
2	Return drum	4	Lock nut

If the conveyor belt is not running centrally on the drive and/or tail pulleys, it is possible to adjust the direction of travel.

- Loosen the lock nuts on both tensioning screws.
- Align the return drum by tightening both tensioning screws evenly.
- Lock the lock nuts on both tensioning screws.

9.3.3 Tensioning the belt

The conveyor belt may become slack over time as a result of wear and tear. If this happens, the belt must be retensioned.

- Loosen the lock nuts on both tensioning screws.
- Tension the conveyor belt by tightening both tensioning screws evenly.

- Tension the conveyor belt sufficiently (underside of belt must not sag).
- Lock the lock nuts on both tensioning screws.

9.4 Cleaning

Before carrying out any cleaning work on the machine, the drive unit MUST be switched off!

Disconnect the machine from the mains.

- In addition, pull out the plug of the device.

Disengage the universal joint shaft on the tractor.

- Before disengaging, turn the manual throttle to minimum.
- Remove the universal joint shaft from the tractor.

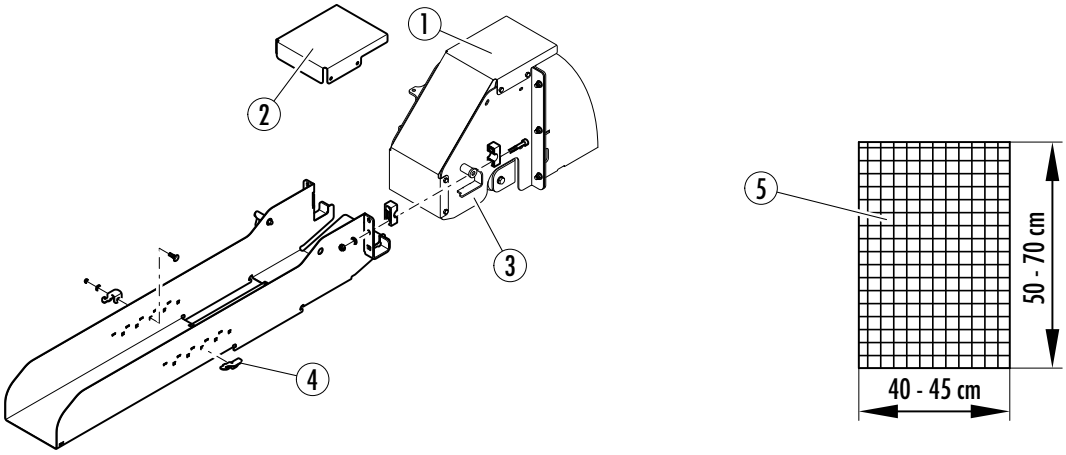
Clean the machine regularly to ensure proper operation.

Only wash new machines (during the first 3 months) with a sponge.

- The paint is not yet completely set, so cleaning with a high pressure cleaner may damage the finish.

10 Additional equipment

10.1 Packing chute



1	Extractor chute cover	4	Suspension hook
2	Small extractor chute cover	5	Net bag size (spread out)
3	Retainer plate		

The packing chute makes it easy to pack cut wood in layers in the net bag.

Fitting:

- Replace the existing extractor chute cover with the small extractor chute cover.
- Assemble the other parts as shown in the diagram.

Operation:

- Pull the net bag over the packing chute and hang it from the suspension hook.
  - The suspension hooks can be adjusted depending on the bag you are using.
- Fill the net bag with the cut wood.

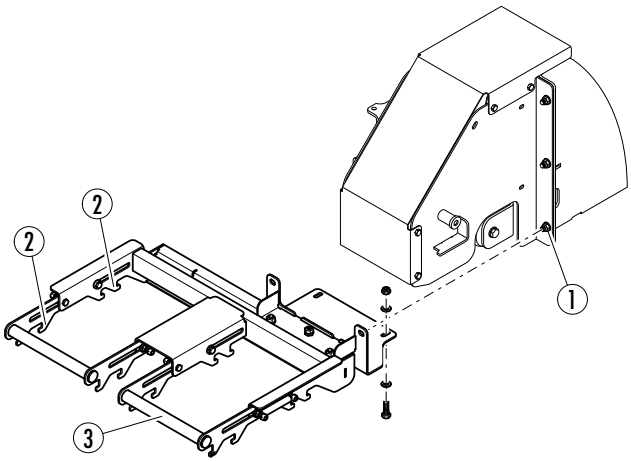
Working position:

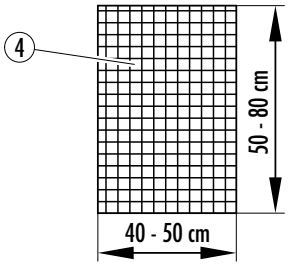
Open the snap-in lock and swing the packing chute all the way down.

Transport position:

Open the snap-in lock, swing the packing chute upwards and secure it with the snap-in lock.

10.2 Movable 2-billet frame





1	Fastening screw	3	Handle
2	Suspension hook	4	Net bag size (spread out)

With the 2-billet frame, the cut wood can be packed loose alternately in the net bag.

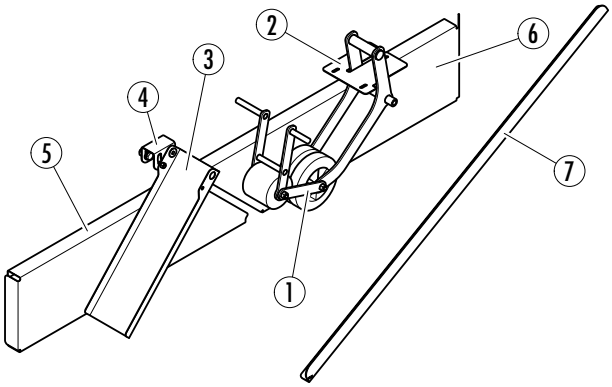
Fitting:

- On both sides remove the fastening screw from underneath, put the 2-billet frame in place and attach with the fastening screws.
- Fix with the two screws and nuts supplied.

Operation:

- Push the frame to one side, release the net tensioner, hang the net bag from suspension hooks depending on the size and let go.
- Fill the net bag with the cut wood.
- When the net bag is full, push the frame to the other side and repeat the process as before.

10.3 Screw-on kit for short logs



1	Hold-down	5	Screw-in plate 1
2	Adjusting plate	6	Screw-in plate 2
3	Flap	7	Screw-on angle
4	Spacer		

The screw-on kit allows shorter pieces of wood (12 – 15 cm) to be used.

Fitting:

- Replace the existing hold-down parts, the adjusting plate and the flap with the parts from the screw-on kit.
- Fasten the spacer, the two screw-in plates and the screw-on angle.

11 Troubleshooting

Before carrying out any troubleshooting operations on the machine it is essential to switch the drive off.

Disconnect the machine from the mains.

- In addition, pull out the plug of the device.

Disengage the universal joint shaft on the tractor.

- Before disengaging, turn the manual throttle to minimum.
- Remove the universal joint shaft from the tractor.

Work on electrical equipment must only be carried out by qualified electricians.

Fault	Possible cause	Remedy	See page
Electric motor fails to start or switches off frequently	Faulty power supply cable	Have the cable examined by a specialist	See [→ 14]
	Fuses keep tripping - incorrectly rated fuse for power supply cable	Use correctly-rated fuses	
	Motor circuit breaker tripped	Use stronger power supply cable	
	Direction of rotation wrong	Swap over two phases	
Switch does not work	Faulty power supply cable	Have the cable examined by a specialist	See [→ 14]
	Fuses keep tripping - incorrectly rated fuse for power supply cable	Have the cable examined by a specialist	
	Contactor or motor circuit breaker faulty	Have switch checked or send it in	
Splitting blade does not extend	Switch elements jammed	Check switch elements	
	Not enough hydraulic oil in hydraulic system	Change hydraulic oil	See [→ 28]
Splitting blade does not extend	PTO shaft rotates in wrong direction	Change PTO shaft rotation direction	See [→ 16]
Hydraulic oil getting too hot	Not enough hydraulic oil in hydraulic system	Check hydraulic oil level	See [→ 26]
	Poor quality hydraulic oil	Change hydraulic oil	See [→ 28]
	Oil filter unclean or blocked	Change filter insert	See [→ 29]
Machine loses power	Hydraulic oil getting too hot	See "Hydraulic oil getting too hot"	
	Not enough hydraulic oil in hydraulic system	Change hydraulic oil	See [→ 28]
Machine is noisy	PTO shaft running too fast	Adhere to specified speed	See [→ 16]
Machine is noisy	Oil filter unclean or blocked	Change filter insert	See [→ 29]
Feed belt jerks or does not move	Not enough hydraulic oil in hydraulic system	Check hydraulic oil level	See [→ 26]
	Poor quality hydraulic oil	Change hydraulic oil	See [→ 27]
	Conveyor belt too slack	Tensioning the belt	See [→ 31]

Hydraulic cylinder leaking	Sealing sleeve worn	Renew sealing sleeves	
	Piston rod guide loose	Retighten piston rod guide	
	Piston rod damaged	Renew piston rod	

12 Technical data

Type		E9	E7.5	PZG
Drive				
Drive type		Electric motor	Electric motor	PTO
Output	kW	9 S6 **	7.5 S6 **	9
Voltage	V	400	400	-
Fusing	A	32	16	-
Motor speed	rpm	1445	1500	-
pto speed	rpm	-	-	380
Splitting system				
Splitting force	t	5	5	5
Cylinder stroke	cm	30	30	30
Max. pressure	bar	150	150	150
Max. log length	cm	20	20	20
Max. log diameter	cm	25	25	25
Advance speed	cm/s	19	15	19
Retraction speed	cm/s	36	29	36
Dimensions *				
Length	cm	140	140	165
Width	cm	335	335	335
Height	cm	170	170	170
Weight	kg	650	635	650

Type		PZGE9	PZGE7.5	E3D
Drive				
Drive type		PTO/Electric motor	PTO/Electric motor	Electric motor
Output	kW	9 / 9 S6 **	9 / 7.5 S6 **	3 S6 **
Voltage	V	400	400	230
Fusing	A	32	16	16
Motor speed	rpm	1445	1500	3000
pto speed	rpm	380	380	-
Splitting system				
Splitting force	t	5	5	4,5
Cylinder stroke	cm	30	30	30
Max. pressure	bar	150	150	130
Max. log length	cm	20	20	20
Max. log diameter	cm	25	25	25
Advance speed	cm/s	19 / 19	19 / 15	12
Retraction speed	cm/s	36 / 36	36 / 29	24
Dimensions *				
Length	cm	165	165	165
Width	cm	335	335	335
Height	cm	170	170	170
Weight	kg	710	695	630

*.....The stated dimensions and weights are for guidance purposes and apply to the basic equipment.

**....Power rating S6: continuous-operation periodic duty with related load changes – the percentage value is shown on the rating plate.

13 Service

POSCH- Product

To order spare parts for your machine please contact your local dealer directly.

☞ If you require a replacement parts list for your machine, you can download this at any time by entering the serial number at the following link:

www.posch.com/download

EC Declaration of Conformity

We hereby declare that the following machine, its design and manufacture, comply with the health and safety requirements of the EC Machinery Directive 2006/42/EC.

The machine furthermore complies with the EC Low Voltage Directive 2006/95/EC and the EC Electromagnetic Compatibility (EMC) Directive 2004/108/EC.

This Declaration is not valid for any modifications to the machine which are not approved by us.

Wood splitter - AutoSplit 250

Item no.:	M6800, M6805, M6810, M6815, M6820, M6835
Serial no.:	from 1,132,001A

To implement the health and safety requirements mentioned in the EC Directives, the following standards are applied:

- EN ISO 12100 Safety of machinery - Basic concepts, general principles for design
- EN ISO 4254-1 Agricultural machinery – Safety - General requirements
- EN ISO 13857 Safety distances to prevent hazard zones being reached by upper and lower limbs
- EN 349 Minimum gaps to avoid crushing of parts of the human body
- EN 60204-1 Electrical equipment of machines
- EN 609-1 Safety of log splitters
- EN ISO 4413 Safety requirements - Hydraulics

Internal measures ensure that this series of devices always complies with the requirements of the EC Directives and the applied standards.

The following notified body

„**PZ.LSV**" (Prüf- und Zertifizierungsstelle des Spitzenverbandes der landwirtschaftlichen Sozialversicherung [Testing and Certification Centre of the Central Association of the Agricultural Social Security Fund], Weißenstraße 70 – 72, 34131 Kassel), notified under registration number 2157,

has carried out the occupational safety examination.

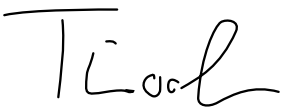
The product is identical to the tested model that, under the number

- LSV-GS-2011/114

has received a certificate for occupational safety.

Below is the name and address of the person who signs the above EC Declaration of Conformity and is authorised to compile the technical documentation.

Leibnitz, date:
11.08.2011



Ing. Johann Tinnacher
Managing Director

CE

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Gesellschaft m. b. H.
Paul-Anton-Kellerstrasse 40
8430 Leibnitz, Austria

Your Posch-Dealer